## DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

and the second s	addiess and cluzensii	ip are as stated below ne	ext to my name.
I believe I am the origina original, first and joint inventor (if pland for which a patent is sought or EARLY DIAGNOSIS OF SUBACL	lural names are listed boon the invention entitle	ed <u>METHOD AND APPA</u>	er which is claimed RATUS FOR THE
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he specification of which (check of	one): is attached	hereto 🤼	
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	X was filed or	n <u>17 March 1999</u> cation No. <u>09/271.279</u>	
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pecification, including the claims I acknowledge the duty to application, as defined in 37 C.F.	o disclose information		
ctaimed.	<b></b>		
Appl. Serial No./ Country	Filing Date	<u>Status</u>	Priority Cjaimed
Appl. Serial No./ Country	Filing Date	Status	Yes: No:
Appl. Serial No./ Country	Filing Date	Status	Yes: No:
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Additional foreign appli	ications are listed on a	n attached supplementa	Yes: No: Yes: No: Yes: No: Yes: No: Yes: No: Yes: No:
Additional foreign applies  I hereby claim the bene applications or §365(c) of any PC listed below and, insofar as the sting those prior applications in the	ications are listed on a efit under Titte 35, Unit T international applica ubject matter of each of manner provided by	n attached supplementa ted States Code §120, of tion designating the Unite of the claims of this applic the first paragraph of Tr	Yes: No: All priority data sheet of any United States ed States of America ation is not disclose tie 35. United State
Additional foreign appli	ications are listed on an efft under Title 35, United Title 35, United Title 35, United to the manner provided by uty to disclose informativations, §1.56 which be	n attached supplementa ted States Code §120, of tion designating the Unite of the claims of this applica the first paragraph of Tra- tion which is material to pa- ecame available between	Yes: No: Yes
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I hereby claim the benefit under Title 35, U	Inited States Code §119(e),	of any United States
provisional applications listed below:		

Application Number	Filing Date	.•	
60/078,319	17 March 1998		
		•	:

And I hereby appoint:

Stuart J. Sinder John C. Altmiller David B. Bonham Registration No. 25,377 Registration No. 25,951 Registration No. 34,297

my attorneys, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please address all communications regarding this application to:

David B. Bonham KENYON & KENYON 1500 K Street, N.W., Suite 700 Washington, DC 20005

Direct all telephone calls to:

David B. Bonham
et (202) 220-4200.

I hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

First inventor Inventor's Signature  Date  Residence	M. Pamela GRIFFIN  M. Pamela GRIFFIN  M. Pamela GRIFFIN  M. Pamela GRIFFIN  2275 Mechum Place
Citizenship Post Office Address	Charlottesville, Virginia 22901  : U.S.  : Same as above

Second Inventor	: J. Randall MOORMAN
Inventor's Signature	Randelyhovrun
Date	5/17/99
Residence	2275 Mechum Place
	Charlottesville, Virginia 22901
Citizenship	: <u>U.S.</u>
Post Office Address	: Same as above
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Applicant or Patentee: M. Pamela GRIFFIN et al. Serial or Patent No.: 09/271.279	Amorney's Docket No. <u>10406/4</u>
Filed or Issued: 17 March 1999	•
Title: Method And Apparants for the Early Diagnosis of Subacute, Potentially Catastrophic Illness	

verified state (37 C	MENT (DECLARATION) CLAIMING S FR 1.9(1) & 1.27(b)) — INDEPENDENT I	MALL ENTITY STATUS INVENTOR
As a below named inventor. I hereby declar reduced fees to the Patent and Trademark C Subacute. Potentially Caustrophic Illness	re that I qualify as an independent inventor a office regarding the invention entitled <u>Metho</u>	ns defined in 37 CFR 1.9(c) for purposes of paying od And Apparatus for the Early Diagnosis of
☐ the specification filed herewill	h s	
8 application serial number <u>09/2</u>	271 279 , filed 17 , issued	March 1999
any rights in the invention to any person which wou under 37 CFR 1.9(e).	bo would not qualify as an independent inve ild not qualify as a small business concern u	ontract or law to assign, gram, convey or license, mor under 37 CFR 1.9(c) if that person had made nder 37 CFR 1.9(d) or a nonprofit organization licensed or am under an obligation under contract
○ No such person, concern, or © Persons, concerns or organiza		
*Note: Separate verified statem invention averting to their status as small c	nents are required from each named person, mities. (37 CFR 1.27)	concern or organization having rights to the
NAME UNIVERSITY OF V	IRGINIA PATENT FOUNDATION	
ADDRESS 1224 West Main Sure	eet, Suite 1-110, Charlottesville, Virginia 22	903
O INDIVIDUAL	O SMALL BUSINESS CONCERN	8 NONPROFIT ORGANIZATION
small entity status prior to paying, or at the status as a small entity is no longer approp  I hereby declare that all statume belief are believed to be true; and further to the status are appropriately be fine or imprisonment.	e time of paying, the earliest of the issue for riate. (37 CFR 1.28(b))  THIS made herein of my own knowledge are that these statements were made with the known or both under 1001 of Title 18 of the 1	my change in status resulting in loss of entitlement to or any maintenance fee due after the date on which true and that all statements made on information and owledge that willful false statements and the like so United States Code, and that such willful false or any patent to which this verified statement is
M. Pamela GRIFFIN NAME OF INVENTOR M. Pamela Jay Signature of Inventor M. M. 17, 1999 Date	Randall MOORMAN NAME OF INVENTOR  Pandally down  Signature of Inventor  5/17/99  Date	NAME OF INVENTOR  Signature of Inventor  Date

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	Applicant or Patentee: _		ela GRIFF	IN et al.		Anor	nev's		
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1500 K STREET, NW
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WASHINGTON, DC 20005



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RECORDATION DATE: 09/13/2000

REEL/FRAME: 011206/0489

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR''S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

UNIVERSITY OF VIRGINIA, THE

DOC DATE: 06/11/1999

ASSIGNEE:

UNIVERSITY OF VIRGINIA PATENT FOUNDATION, THE 1224 WEST MAIN STREET SUITE 1-110 CHARLOTTESVILLE, VIRGINIA 22903

SERIAL NUMBER: 09271279

PATENT NUMBER:

FILING DATE: 03/17/1999

ISSUE DATE:

SEDLEY PYNE, PARALEGAL ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS



## **ASSIGNMENT**

WHEREAS, the University of Virginia, Washington Hall E. Range, Charlottesville, Virginia 22903 (the "Assignor") possesses the entire right, title and interest for and in an invention entitled

"METHOD AND APPARATUS FOR THE EARLY DIAGNOSIS OF SUBACUTE, POTENTIALLY CATASTROPHIC ILLNESS"

described in U.S. Patent Application No. 09/271,279, filed on March 17, 1999, and claiming priority to U.S. Provisional Patent Application No. 60/078,319, filed March 17, 1998, entitled "DEVICE TO MAKE THE EARLY DIAGNOSIS OF SUBACUTE, POTENTIALLY CATASTROPHIC ILLNESS;" and

WHEREAS, The University of Virginia Patent Foundation, a non-profit organization having a place of business at 1224 West Main Street, Suite 1-110, Charlottesville, Virginia 22903 (the "Assignee") is desirous of acquiring the entire right, title and interest in and to the aforesaid invention and any improvements thereon, and in and to said applications for Letters Patent thereon in the United States, its territories and possessions ("United States") and all foreign countries, including rights to claim priority, to any provisional applications, and in and to any Letters Patent of the United States or any foreign country which may be granted therefor, including any and all reissues, divisions, continuations, continuations-in-part, renewals, substitutes or extensions thereof.

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and conveyed, and does hereby sell, assign, transfer and convey to Assignee, its successors and assigns, the entire right, title and interest in and to the aforesaid invention and any improvements thereon, and in and to said applications for Letters Patent thereon in the United States and all foreign countries, including all rights to claim priority, to any provisional applications, and in and to any and all Letters Patent of the United States or any foreign country which may be granted therefor, including any and all reissues, divisions, continuations, continuations-in-part, renewals, substitutes or extensions thereof, and in and to all income, royalties, damages and payments now or hereafter due or payable with respect to any Letters Patent which may be granted, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by Assignor if this sale and assignment had not been made;

AND Assignor hereby authorizes and requests the appropriate governmental officials to issue any and all such United States or foreign Letters Patent under said invention, or resulting from any of said applications thereof, to the Assignee, as the assignee of the entire right, title and interest in and to the same;

AND Assign Lereby represents, warrant and covenant and it has the full right to convey the entire interest herein assigned, that its has not executed and will not execute any instrument or assignment in conflict herewith, and that the rights assigned herein are not otherwise encumbered by any grant, license or right;

AND Assignor further covenants and agrees that Assignors will at any time upon request make, execute and deliver without further compensation, any and all other instruments in writing, including further applications, papers, affidavits, power of attorney, assignments, and other documents, and do all lawful acts and things, which, in the opinion of counsel for said Assignee, its successors and assigns, may in any country be required or necessary more effectively to secure to and vest in said Assignee, its successors and assigns the entire right, title and interest in and to said invention and improvements, applications, Letters Patent, rights, titles, benefits, privileges, and advantages hereby sold, assigned, transferred and conveyed, and that Assignor will sign any applications for reissue, division, continuation, continuation-in-part, renewal, substitute or extension of said application for Letters Patent or any resulting Letters Patent;

AND Assignor further covenants and agrees that Assignor will at any time upon request communicate to the Assignee, its successors, assigns or other legal representatives any facts relating to the aforesaid invention known to it, and will testify as to the same in any interference, litigation, mediation, arbitration or other proceeding when requested to do so.

IN WITNESS WHEREOF, said Assignor has hereunto set its hand and seal.

Signature of Representative for Assignor:	- Collahich
Representative's Title:	Associate Vice Provost for Research
Date of Execution:	June 117 1999
City of Charlottes ville COUNTY OF ) ss: STATE OF JA )	
the County and State aforesaid, per known and known to me to be the	1999, before me, a Notary Public in and for resonally appeared <u>DAVID</u> , to me person of that name, who signed and sealed the edged the same to be of his free act and deed.  Notary Public

My commission expires:





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1500 K STREET, N.W., SUITE 700
WASHINGTON, D.C. 20005



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RECORDATION DATE: 05/28/1999

REEL/FRAME: 009995/0523

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

GRIFFIN, M. PAMELA

DOC DATE: 03/17/1999

ASSIGNOR:

MOORMAN, J. RANDALL

DOC DATE: 03/17/1999

ASSIGNEE:

UNIVERSITY OF VIRGINIA, THE WASHINGTON HALL E.RANGE CHARLOTTESVILLE, VIRGINIA 22903

SERIAL NUMBER: 09271279

PATENT NUMBER:

FILING DATE: 03/17/1999

ISSUE DATE:

KIMBERLY WHITE, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

## **ASSIGNMENT**

WHEREAS, we, M. Pamela Griffin, a citizen of the United States, and J. Randall Moorman, a citizen of the United States, both residing at 2275 Mechum Place, Charlottesville, Virginia 22901 (the "Assignors"), have made an invention entitled

"METHOD AND APPARATUS FOR THE EARLY DIAGNOSIS OF SUBACUTE, POTENTIALLY CATASTROPHIC ILLNESS"

described in U.S. Patent Application No. 09/271,279, filed on March 17, 1999, and claiming priority to U.S. Provisional Patent Application No. 60/078,319, filed March 17, 1998, entitled "DEVICE TO MAKE THE EARLY DIAGNOSIS OF SUBACUTE, POTENTIALLY CATASTROPHIC ILLNESS;" and

WHEREAS, The University of Virginia, Washington Hall E. Range, Charlottesville, Virginia 22903 (the "Assignee"), is desirous of acquiring the entire right, title and interest in and to the aforesaid invention and any improvements thereon, and in and to said applications for Letters Patent thereon in the United States, its territories and possessions ("United States") and all foreign countries, including rights to claim priority, to any provisional applications, and in and to any Letters Patent of the United States or any foreign country which may be granted therefor, including any and all reissues, divisions, continuations, continuations-in-part, renewals, substitutes or extensions thereof.

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and conveyed, and do hereby sell, assign, transfer and convey to Assignee, its successors and assigns, the entire right, title and interest in and to the aforesaid invention and any improvements thereon, and in and to said applications for Letters Patent thereon in the United States and all foreign countries, including all rights to claim priority, to any provisional applications, and in and to any and all Letters Patent of the United States or any foreign country which may be granted therefor, including any and all reissues, divisions, continuations, continuations-in-part, renewals, substitutes or extensions thereof, and in and to all income, royalties, damages and payments now or hereafter due or payable with respect to any Letters Patent which may be granted, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by Assignors if this sale and assignment had not been made;

AND Assignors hereby authorize and request the appropriate governmental officials to issue any and all such United States or foreign Letters Patent under said invention, or resulting from any of said applications thereof, to the Assignee, as the assignee of the entire right, title and interest in and to the same;

AND Assignors hereby represent, warrant and covenant that Assignors have the full right to convey the entire interest herein assigned, that Assignors have not executed

and will not execute any instrument or assignment in conflict herewith, and that the rights assigned herein are not otherwise encumbered by any grant, license or right;

AND Assignors further covenant and agree that Assignors will at any time upon request make, execute and deliver without further compensation, any and all other instruments in writing, including further applications, papers, affidavits, power of attorney, assignments, and other documents, and do all lawful acts and things, which, in the opinion of counsel for said Assignee, its successors and assigns, may in any country be required or necessary more effectively to secure to and vest in said Assignee, its successors and assigns the entire right, title and interest in and to said invention and improvements, applications, Letters Patent, rights, titles, benefits, privileges, and advantages hereby sold, assigned, transferred and conveyed, and that Assignors will sign any applications for reissue, division, continuation, continuation-in-part, renewal, substitute or extension of said application for Letters Patent or any resulting Letters Patent;

AND Assignors further covenant and agree that Assignors will at any time upon request communicate to the Assignee, its successors, assigns or other legal representatives any facts relating to the aforesaid invention known to Assignors, and will testify as to the same in any interference, litigation, mediation, arbitration or other proceeding when requested to do so.

IN WITNESS WHEREOF, Assignors have hereunto set their hands and seals.

Signature of Inventor:		
Inventor's Name:		
Inventor's Address:	•	

M. Pamela Griffin 2275 Mechum Place, Charlottesville, VA 22901

Date of Execution:

a votte ville STATE OF VIRGINIA

On this 17th day of May 1999, before me, a Notary Public in and for the County and State aforesaid, personally appeared M. Lanela Courte to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument and acknowledged the same to be of his free act and deed.

Notary Public

My commission expires: January 30, 2003

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City COUNTY OF ) Charlotlesville )ss STATE OF V A )		
On this 17 day the County and State afore	of Muy, 1999, before me, a Notary Public in ar said, personally appeared, to no be the person of that name, who signed and sealed the acknowledged the same to be of his free act and deed.	40
	Notary Public	
	My commission expires:	y
	lack	y

2275 Mechum Place,

Charlottesville, VA 22901

Signature of Inventor: Inventor's Name:

Inventor's Address:

Date of Execution:

DOTTORS DISCOL